**UAB VASCULAR BIOLOGY AND HYPERTENSION RESEARCH SYMPOSIUM**
**Sandestin Beach Hilton**
**5540 Highway 98 East**
**Destin, Florida 32541**
**(904) 267-9500**
**(800) 367-1271 (Outside Florida)**
**October 9-11, 1992**

Friday, October 9, 1992

**PALM BEACH -- Lower Level**

## ENDOTHELIAL MEDIATORS OF VASCULAR TONE

Chairman: Tommy A. Brock, Ph.D., Director, Pharmacology Division, Texas Biotechnology Corporation, Houston, TX

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| 2:00 - 2:15 p.m. | **Introduction** - Tommy A. Brock, Ph.D. |
| 2:15 - 3:00 p.m. | **Physiological and Pathological Chemistry of Nitric Oxide**<br>Joseph S. Beckman, Ph.D., Associate Professor of Anesthesiology, UAB |
| 3:00 - 3:45 p.m. | **Chemistry and Vascular Biology of S-nitrosothiols**<br>Joseph Loscalzo, M.D., Ph.D., Associate Professor of Medicine, Harvard Medical School, Boston, MA |
| 3:45 - 4:00 p.m. | **Break - Palm Beach - Lower Level** |
| 4:00 - 4:45 p.m. | **The Modulation of Vascular Smooth Muscle Cell Growth by NO and Atrial Natriuretic Factor**<br>Aviv Hassid, Ph.D., Professor of Physiology and Biophysics, University of Tennessee, Memphis, TN |
| 4:45 - 5:30 p.m. | **Regulation of EDRF/NO Production in Hypertension**<br>David D. Ku, Ph.D., Associate Professor of Pharmacology, UAB |
| 5:30 - 6:00 p.m. | **Role of Oxidant Stress in Endothelial Cell Dysfunction**<br>C. Roger White, Ph.D., Postdoctoral Fellow, UAB |
| 6:00 - 6:30 p.m. | **Discussion/Summation** |
| | **Free Evening** |

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Saturday, October 10, 1992

7:30 - 8:15 a.m. **Breakfast - Ballroom - Lobby Level**

**PALM BEACH -- Lower Level**

## ENDOTHELIN

Chairman: Yiu-Fai Chen, Ph.D., Associate Professor of Medicine, UAB

8:15 - 9:00 a.m. **Hypoxia and Endothelin Gene Expression**
Suzanne Oparil, M.D., Director, Vascular Biology and Hypertension Program, UAB

9:00 - 9:45 a.m. **Hypoxic Gene Regulation in Yeast**
Richard Zitomer, Ph.D., Professor of Biological Sciences, SUNY, Albany, NY

9:45 - 10:00 a.m. **Break - Palm Beach - Lower Level**

10:00 - 10:45 a.m. **Endothelin and Endothelin Receptors**
Richard Dixon, Ph.D., Scientific Director, Texas Biotechnology Corporation, Houston, TX

10:45 - 11:30 a.m. **Endothelin Antagonists and Endothelin Receptors**
Thomas T. Andersen, Ph.D., Director, Department of Biochemistry, The Albany Medical College, Albany, NY

11:30 - 12:00 p.m. **Discussion/Summation**

12:00 - 4:00 p.m. **Free Afternoon**

**PALM BEACH -- Lower Level**

## RENIN - ANGIOTENSIN SYSTEM

Chairman: Terry S. Elton, Ph.D., Assistant Professor of Medicine, UAB

4:00 - 4:45 p.m. **The Renin-Angiotensin System: A Biological Machine**
Kenneth E. Bernstein, M.D., Assistant Professor of Pathology, Emory University, Atlanta, GA

4:45 - 5:30 p.m. **Regulation of ACE Expression in Vascular Smooth Muscle: Stress and Injury**
Bradford C. Berk, M.D., Ph.D., Associate Professor of Medicine, Emory University, Atlanta, GA

5:30 - 6:15 p.m. **The Type 1 Angiotensin II Receptor Gene(s)**
Terry S. Elton, Ph.D., Assistant Professor of Medicine, UAB

6:15 - 7:00 p.m. **Angiotensin II Receptor Subtypes**
William Herblin, Ph.D., Principal Research Scientist, Du Pont Merck Pharmaceutical Company, Wilmington, DE

7:00 p.m. **Reception - Poolside**

8:00 p.m. **Dinner - Poolside**

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Sunday, October 11, 1992

7:30 - 8:30 a.m. **Breakfast - Ballroom - Lobby Level**

**PALM BEACH -- Lower Level**

**NEW APPROACHES TO THE PATHOGENESIS AND TREATMENT OF VASCULAR DISEASE AND HYPERTENSION**

Chairman: J. Anthony Thompson, Ph.D., Professor of Biochemistry, UAB

8:30 - 9:15 a.m. **Quantitative Trait Loci Analysis in Hypertension**
Howard Jacob, Ph.D., Massachusetts General Hospital East, Charlestown, MA

9:15 - 10:00 a.m. **Smooth Muscle Diversity in Artery Wall Formation and Repair**
Mark W. Majesky, Ph.D., Assistant Professor of Pathology, Baylor College of Medicine, Houston, TX

10:00 - 10:15 a.m. **Break - Palm Beach - Lower Level**

10:15 - 11:00 a.m. **Growth Factors and Cell Proliferation in Human Atherosclerosis**
David Gordon, M.D., Associate Professor of Pathology, University of Michigan Medical School, Ann Arbor, MI

11:00 - 11:45 p.m. **Neutral Endopeptidase Inhibitors**
Peter J.S. Chiu, M.D., Schering Plough Research

12:00 - 12:30 p.m. **Discussion/Summation**

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